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Horticultural Abstracts

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WALLINGFORD, OXON OX10 8DE, UK

Tel: Wallingford (0491) 32111

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Head of Department of Horticulture

K.K.S. Bhat BSc, MSc, Docteur ès Sciences, MIHort

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K.K.S. Bhat BSc, MSc, Docteur ès Sciences, MIHort

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Scope of *Horticultural Abstracts*: The subjects covered include all aspects of botany, agronomy, physiology and biochemistry, and management, including postharvest handling, of temperate, subtropical and tropical fruit, nut, vegetable, ornamental and beverage crops as well as industrial crops including medicinal and essential oil plants.

GENERAL ASPECTS OF RESEARCH AND ITS APPLICATION												
	1	109	209	319	417	533	629	739	831	929	1041	1145
TEMPERATE TREE FRUITS AND NUTS												
Almonds	8	115	216	326	431	-	642	743	840	938	1051	1155
Apples	8	115	216	327	431	543	643	743	840	938	1052	1155
Apricots	14	119	224	335	436	-	650	749	844	944	-	1160
Cherries	14	119	225	335	437	548	651	753	844	945	1060	1160
Chestnuts	-	121	-	-	437	548	652	754	-	945	1060	1161
Cobnuts and hazelnuts	15	121	226	336	437	-	652	754	844	945	-	1162
Figs	15	-	-	336	-	549	-	-	-	-	1060	1162
Mulberries	-	-	226	-	438	-	652	754	844	-	-	-
Peaches and nectarines	15	121	226	336	438	549	652	755	844	945	1060	1162
Pears	19	122	227	338	439	550	655	756	846	948	1061	1163
Pecans and hickories	20	122	-	339	440	550	656	757	847	949	1061	1165
Pistachios	21	-	229	-	440	550	656	757	847	-	-	-
Plums, prunes and damsons	21	123	229	339	440	550	656	758	847	949	1062	1165
Quinces	21	-	-	-	442	551	658	-	-	-	-	1165
Walnuts	21	123	230	340	442	551	658	758	848	950	1062	1165
Sundry crops	22	124	230	342	442	-	659	-	849	951	1062	1166
SMALL FRUITS												
Actinidia species	22	125	230	342	442	551	659	-	849	951	1062	1166
Currants	23	125	231	343	443	552	661	758	850	952	-	1171
Gooseberries	-	126	-	-	-	-	-	-	-	-	-	-
Minor Ribes species	-	-	-	-	-	-	-	-	-	-	-	-
Blackberries	23	126	232	343	-	-	661	-	850	952	1063	-
Raspberries	23	126	232	343	443	552	661	758	850	952	1063	1171
Minor Rubus species	24	126	-	344	443	-	-	758	-	-	-	-
Vaccinium species	24	126	232	344	444	552	662	759	850	952	-	1171
Strawberries	25	126	234	345	444	552	662	759	851	952	1063	1172
Sundry crops	26	-	-	346	449	-	663	760	851	954	1064	1173
VITICULTURE												
	26	128	237	346	450	553	663	761	851	955	1064	1173
VEGETABLES, TEMPERATE, TROPICAL AND GREENHOUSE												
Alliaceae	29	132	-	-	457	-	669	763	856	959	1070	1177
Garlic	30	132	243	353	457	-	669	763	856	959	1070	1179
Leeks	30	-	-	353	-	558	669	763	-	959	1070	1179
Onions	30	132	243	353	457	558	669	763	856	959	1070	1179
Other Alliaceae	32	-	244	355	-	-	670	763	857	961	1071	-
Chenopodiaceae	32	133	245	355	458	-	670	763	857	961	1071	1180
Beetroots	32	-	245	355	458	-	670	763	857	961	1071	1180
Spinach	32	133	245	355	458	559	670	764	857	961	1072	1180
Spinach beets	-	-	-	-	-	-	-	-	-	-	-	1180
Other Chenopodiaceae	-	-	246	-	-	-	-	-	-	-	-	-
Compositae	33	134	246	-	-	-	671	765	857	-	1073	1182
Artichokes (Jerusalem)	33	134	246	-	459	560	-	765	857	-	-	-
Artichokes (globe)	33	-	246	356	-	560	-	765	-	-	-	-
Cardoons	-	-	-	-	-	-	-	-	-	963	-	-
Chicory	33	134	247	-	459	561	671	765	-	963	1073	1182
Endives	33	-	-	356	-	-	-	766	-	-	-	-
Lettuces	33	134	247	356	459	561	671	766	858	963	1073	1182

Salsify	-	-	-	-	-	-	-	-	-	-	-	-	-
Scorzonera	-	-	-	-	461	-	672	-	-	-	-	-	-
Other Compositae	-	-	-	-	-	562	-	-	858	-	-	-	-
Cruciferae	34	135	-	-	461	-	672	767	859	-	1074	1183	-
Brassicacae	34	135	248	357	461	562	672	767	859	965	1074	1183	-
Cress	36	-	-	358	-	-	-	-	-	967	-	-	-
Radishes	36	137	250	358	462	563	675	770	860	968	1076	1185	-
Watercress	36	-	-	-	-	-	675	-	-	-	-	-	-
Other Cruciferae	-	-	-	-	462	-	-	-	-	-	-	-	-
Cucurbitaceae	37	138	251	359	462	564	675	771	861	968	1076	1185	-
Leguminosae	39	140	-	359	464	-	678	773	864	971	1077	1187	-
Beans (<i>Phaseolus</i>)	39	140	254	360	464	565	679	773	864	971	1078	1187	-
Beans (<i>Vicia</i>)	40	144	256	362	467	568	681	774	866	974	1080	1190	-
Beans (<i>Cyamopsis</i>)	-	144	-	363	468	569	-	775	867	975	-	1191	-
Peas	40	144	257	363	468	569	682	775	867	975	1082	1191	-
Other Leguminosae	41	-	259	365	471	573	685	776	870	978	-	1193	-
Liliaceae	41	146	259	-	471	-	-	776	870	978	1085	1194	-
Asparagus	41	146	259	365	471	573	685	776	870	978	1085	1194	-
Other Liliaceae	-	-	259	-	-	-	-	-	-	-	-	-	-
Malvaceae	42	-	260	-	-	-	686	777	871	979	1085	1194	-
Okras	42	-	260	366	-	574	686	777	871	979	1085	1194	-
Other Malvaceae	-	-	-	-	-	-	686	-	-	-	-	-	-
Polygonaceae	-	-	-	-	472	-	-	777	-	-	-	-	-
Rhubarb	-	-	-	-	472	574	686	777	-	-	-	-	-
Other Polygonaceae	-	-	-	-	-	-	-	-	-	-	-	-	-
Solanaceae	43	147	260	-	472	-	686	777	872	979	1086	1194	-
Capsicums	43	147	260	366	472	574	686	777	872	979	1086	1194	-
Aubergines	44	148	261	366	474	576	687	779	873	980	1087	1196	-
Tomatoes	45	148	261	367	475	576	688	779	873	981	1087	1197	-
Other Solanaceae	-	-	-	-	479	-	-	785	877	-	-	-	-
Umbelliferae	50	152	266	-	479	-	694	785	877	986	1091	1200	-
Carrots	50	152	266	371	479	581	694	785	877	986	1091	1200	-
Parsnips	-	-	-	-	-	-	695	-	-	-	1091	1201	-
Celery	51	154	267	371	480	582	-	785	878	988	1092	1201	-
Celeriac	-	-	267	371	480	-	696	-	-	-	-	-	-
Other Umbelliferae	-	-	267	371	480	-	-	786	-	-	1092	-	-
Sundry Crops	51	154	267	371	480	583	696	786	878	988	1092	1201	-
Mushrooms and other edible fungi	51	155	268	372	481	583	696	786	878	988	1092	1201	-

ORNAMENTAL PLANTS

Annual and herbaceous plants - general	54	157	269	373	487	585	698	787	879	990	1102	1203	-
Antirrhinums	-	-	269	373	-	-	-	-	-	990	1103	1204	-
Carnations and pinks	54	158	269	373	487	585	698	788	880	990	1103	1204	-
Chrysanthemums	54	158	270	374	488	586	698	788	880	991	1104	1204	-
Gerberas	54	159	271	374	488	587	-	-	880	992	-	1204	-
Morning glories	-	159	-	374	-	-	699	789	880	-	-	-	-
Pelargoniums	55	159	271	-	488	587	699	789	880	992	1104	1205	-
Petunias	55	159	-	374	489	587	699	789	881	993	1104	1205	-
Primulas	-	160	-	-	-	-	-	790	-	993	-	1206	-
Saintpaulias	-	160	271	-	-	587	-	-	-	-	-	-	-
Other annual and herbaceous plants	-	160	271	375	489	587	700	790	881	993	1104	1206	-
Bulbs, tubers, etc. - general	58	-	273	376	491	-	-	-	-	-	1105	-	-
Anemones	-	-	273	-	-	-	-	-	-	-	-	-	-
Begonias	58	163	273	-	491	-	701	792	884	996	1105	1208	-
Crocuses	-	-	274	-	-	-	701	-	-	996	-	-	-
Cyclamens	58	163	274	376	491	-	701	792	-	996	-	1208	-
Dahlias	58	163	-	-	-	-	702	-	-	996	1105	-	-
Freesias	-	163	-	376	-	-	-	792	884	-	-	1208	-
Gladioli	58	164	274	376	491	588	702	793	884	996	1106	1208	-

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- 2
↓
- 1 → 5655 PATZOLD, G. [Results of rootstock trials. Part 1. Dwarfing
3 → apple rootstocks.] Ergebnisse aus Obstunterlagenprüfungen. Teil 1: ← 4
Schwachwachsende Apfelunterlagen. *Erwerbsobstbau* (1991) 33 (1) 7- ← 5
10 [De, en, 6 ref.] Institut für Obstforschung der AdL, 8057 Dresden- ← 6
7 → Pillnitz, Germany. ← 8
- In trials at Wurzen and Pillnitz on loamy soils, apple cultivars
9 → Golden Delicious and Idared grafted on J9, Pi-AU 7-33, J-TE-E and
P22 were more dwarf-growing and produced higher specific yields
(kg/m³ of crown volume) than on M.9. These cultivars on Pi-AU 9-
27, J-TE-H and P2 were more vigorous than on M.9, and yield and
fruit quality were poorer.

Editorial additions within abstracts appear in square brackets e.g. for preferred Latin names of plants, animals and microorganisms.

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 Germany, Institut für Gemüseproduktion Grossbeeren 2651
 Germany, Staatliche Lehr- und Versuchsanstalt für Wein- und Obstbau 2652
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Many other serials were scanned during 1992 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSN's and publishers' addresses.

Abhandlungen der Zoologisch-Botanischen Gesellschaft in Österreich
Abstracts of Communicated Papers [Horticulture Abstracts], Korean
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Abstracts on Field Beans

Acarologia

ACS Symposium Series

Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura

Acta Agriculturae Nucleatae Sinica

Acta Agriculturae Scandinavica

Acta Agriculturae Shanghai

Acta Agriculturae Universitatis Jiangxiensis

Acta Agriculturae Universitatis Pekinensis

Acta Agrobotanica

Acta Agronómica, Universidad Nacional de Colombia

Acta Biochimica et Biophysica Sinica

Acta Biologiae Experimentalis Sinica

Acta Botanica Austro Sinica

Acta Botanica Croatica

Acta Botanica Indica

Acta Botanica Neerlandica

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Acta Botanica Yunnanica

Acta Dendrobiologica

Acta Horticulturae

Acta Horticulturae Sinica

Acta Leidensia

Acta Oecologica

Acta Oecologica, Oecologia Applicata

Acta Pharmaceutica Nordica

Acta Pharmaceutica Sinica

Acta Physiologiae Plantarum

Acta Phytophysiological Sinica

Acta Scientiarum Naturalium Universitatis Normalis Hunanensis

Acta Scientiarum Naturalium Universitatis Sunyatseni

Acta Societatis Botanicorum Poloniae

Acta Universitatis Agriculturae, Facultas Agronomica

Acta Universitatis Agriculturae, Facultas Horticulturae

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Advance

Advances in Agricultural Biotechnology

Advances in Applied Microbiology

Advances in Horticultural Science

Advances in Plant Sciences

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Agrokimiya

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Ambio

American Camellia Yearbook

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Analele Institutului de Cercetări pentru Protecția Plantelor, Academia de
Științe Agricole și Silvicultură

Anales del Instituto de Biología. Serie Botánica

Anales del Jardín Botánico de Madrid

Analyst

Analytical Biochemistry

Angewandte Botanik

Angewandte Parasitologie

Ankara Üniversitesi Ziraat Fakültesi Yıllığı

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Annales Botanici Fennici

Annales de Gembloux

Annales de l'Institut National de la Recherche Agronomique de Tunisie

Annali dell'Istituto Sperimentale per l'Agricoltura

Annali dell'Istituto Sperimentale per l'Assessment Forestale e per

l'Alpicoltura

Annali dell'Istituto Sperimentale per la Floricoltura

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Annals of the Phytopathological Society of Japan

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lic Health

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Applied Biochemistry and Biotechnology

Applied Engineering in Agriculture

Applied Entomology and Zoology

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 Australian Journal of Agricultural Research
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 Colloques de l'INRA
 Colture Protette
 Combined Proceedings - International Plant Propagators' Society
 Comments from CAST
 Comments on Agricultural and Food Chemistry
 Comunicado Técnico - Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro
 Communications in Soil Science and Plant Analysis
 Compact Fruit Tree
 Comparative Physiology and Ecology
 Compte Rendu des Essais - Union Nationale Interprofessionnelle des Légumes Transformés
 Comptes Rendus de l'Académie d'Agriculture de France
 Comptes Rendus de l'Académie des Sciences. Series 3, Sciences de la Vie
 Computers and Electronics in Agriculture
 Comunicaciones INIA. Serie Producción Vegetal
 Comunicado Técnico - Centro de Pesquisa Agropecuária do Trópico Semi-Árido
 Comunicado Técnico - EMCAPA
 Comunicado Técnico - Empresa de Pesquisa Agropecuária do Ceará
 Comunicado Técnico - UEPAE, Boa Vista Roraima
 Comunicado Técnico - UEPAE de Dourados
 Contact Dermatitis
 Contributii Botanice, Universitatea Cluj-Napoca, Grădina Botanică
 Critical Reviews in Plant Sciences
 Crop Genetic Resources
 Crop Protection
 Crop Research (Edinburgh)
 Crop Research (Hisar)
 Crop Science
 Cruciferae Newsletter
 Cryobiology
 Cultivos Tropicales
 Current Opinion in Biotechnology
 Current Research - University of Agricultural Sciences (Bangalore)
 Current Science
 Current Topics in Plant Biochemistry and Physiology
 Cytologia
 DCV/Laboratoire Agro-Economie
 Deciduous Fruit Grower
 Dendroflora
 Desert Plants
 Deutsche Lebensmittel-Rundschau
 Deutscher Gartenbau
 Difesa delle Piante
 Discovery and Innovation
 Dissertation Abstracts International. B, Sciences and Engineering
 Diversity
 Divisional Note - Silsoe Research Institute
 Documentos - Centro Nacional de Pesquisa de Coco
 Documents Techniques - Institut National de la Recherche Agro-nomique de Tunisie
 Doğa, Türk Biyoloji Dergisi
 Doğa, Türk Tarım ve Ormancılık Dergisi
 Doklady Akademii Nauk BSSR
 Doklady Botanical Sciences
 Doklady Vsesoyuznoi Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaistvennykh Nauk im. V. I. Lenina
 Doklady, Botanical Sciences
 Dossiers Agronomiques d'Aspach le Bas
 East African Agricultural and Forestry Journal
 Ecology
 Economic Affairs (Calcutta)
 Economic Botany
 Economische Documentatie - Koninklijk Museum voor Midden-Afrika, Tervuren
 Ecotoxicology and Environmental Safety
 Edinburgh Journal of Botany
 Egyptian Journal of Agronomy
 Egyptian Journal of Botany
 Egyptian Journal of Horticulture
 Egyptian Journal of Phytopathology
 Egyptian Journal of Soil Science
 Ekológia, ČSFR
 Eksperimentinė Biologija
 Elaeis
 Entomologia Experimentalis et Applicata
 Entomologia Hellenica
 Entomon
 Entomophaga
 Environment and Ecology
 Environmental and Experimental Botany
 Environmental Entomology
 Environmental Pollution
 Enzyme and Microbial Technology
 Erwerbsobstbau
 Euphytica
 EUR Report
 European Journal of Biochemistry
 European Journal of Cell Biology
 Evolution
 Evolutionary Trends in Plants
 Experimental & Applied Acarology
 Experimental Agriculture
 Extension Bulletin - Central Research Institute for Dryland Agriculture
 Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
 Extension Bulletin - ASPAC, Food & Fertilizer Technology
 Faba Bean in AGRIS
 FABIS Newsletter
 FAO Agricultural Services Bulletin
 FAO Food and Nutrition Paper
 FAO Plant Production and Protection Paper
 FAO Plant Protection Bulletin
 Farming Mechanization
 FEBS Letters
 Feddes Repertorium
 Fertiliser News
 Fertilizer Research
 Fett Wissenschaft Technologie
 Field Crops Research
 Fitopatologia
 Fitopatología Colombiana
 Fitoterapia
 Fiziologiya i Biokhimiya Kul'turnykh Rastenii
 Fiziologiya na Rasteniyata
 Fiziologiya Rastenii
 Flavour and Fragrance Journal
 Flora (Jena)
 FloraCulture International
 Florida Entomologist
 Flower & Nursery Report for Commercial Growers - Cooperative Extension, University of California
 Folia Horticulturae
 FONAIAP Divulga
 Food Biotechnology
 Food Chemistry
 Food Structure
 Forest Ecology and Management
 Forest Pest and Disease
 Forestry Commission Bulletin
 Forêt Méditerranéenne
 Forschungsberichte der Bundesanstalt für Landtechnik, Wieselburg
 Forstarchiv
 Forstschutz Aktuell
 Fortschrittsberichte für Ernährung und Landwirtschaft
 Fourrages
 Fresenius' Journal of Analytical Chemistry
 Fresenius' Zeitschrift für Analytische Chemie
 Fruit Belge
 Fruit Science Reports
 Fruit Varieties Journal
 Fruits (Paris)
 Fruitteelt (Sin-Truiden)
 Fruitteelt (Den Haag)
 FRUT - Revista de Fruticultura
 Fujian Agricultural Science and Technology
 Functional Ecology
 Garden (London)
 Gartenamt

- Gartenbau
 Gartenbauwissenschaft
 Gartneryrket
 GATE (Eschborn)
 Gb + Gw, Gärtnerbörse und Gartenwelt
 Gemüse (München)
 Genetica
 Genetica Polonica
 Genio Rurale
 Geobios (Jodhpur)
 Gesunde Pflanzen
 Gewasbescherming
 Giessener Beiträge zur Entwicklungsforschung
 Grøn Viden, Havebrug
 Grøn Viden, Landbrug
 Grana
 Groenten + Fruit, Algemeen
 Groenten + Fruit, Fruit
 Groenten + Fruit, Glasgroenten
 Groenten + Fruit, Vollegrondsgroenten
 Gujarat Agricultural University Research Journal
 Hanguk Nongwahak Hoechi
 Haryana Agricultural University Journal of Research
 Haryana Journal of Horticultural Sciences
 Hassadeh
 Health Physics
 Helvetica Chimica Acta
 Herba Hungarica
 Hereditas (Landskrona)
 Heredity
 Highlights of Agricultural Research in Ontario
 Histochemical Journal
 Hodowla Roślin, Aklimatyzacja i Nasiennictwo
 Horticultural Journal
 Horticulture Française
 Horticulture in New Zealand
 HortScience
 HortTechnology
 HRC, Journal of High Resolution Chromatography
 Hungarian Agricultural Engineering
 IAHS Publication
 Ibis (London)
 IEEE Transactions on Geoscience and Remote Sensing
 Ikonomika i Upravljenje na Selskoto Stopanstvo
 In Vitro Cellular & Developmental Biology
 Indian Agriculturist
 Indian Botanical Reporter
 Indian Cashew Journal
 Indian Cocoa, Arecanut and Spices Journal
 Indian Coconut Journal (Cochin)
 Indian Coffee
 Indian Economic Review
 Indian Farming
 Indian Forester
 Indian Horticulture
 Indian Journal of Agricultural Research
 Indian Journal of Agricultural Sciences
 Indian Journal of Agronomy
 Indian Journal of Animal Sciences
 Indian Journal of Applied and Pure Biology
 Indian Journal of Biochemistry & Biophysics
 Indian Journal of Dryland Agricultural Research and Development
 Indian Journal of Entomology
 Indian Journal of Experimental Biology
 Indian Journal of Forestry
 Indian Journal of Horticulture
 Indian Journal of Indigenous Medicines
 Indian Journal of Landscape Systems and Ecological Studies
 Indian Journal of Mycological Research
 Indian Journal of Mycology and Plant Pathology
 Indian Journal of Natural Rubber Research
 Indian Journal of Pharmaceutical Sciences
 Indian Journal of Plant Pathology
 Indian Journal of Plant Physiology
 Indian Journal of Plant Protection
 Indian Journal of Pulses Research
 Indian Journal of Virology
 Indian Journal of Weed Science
 Indian Perfumer
 Indian Phytopathology
 Indian Veterinary Journal
 Indonesian Agricultural Research & Development Journal
 Indonesian Journal of Crop Science
 Industrial Crops Research Journal
 Industrie Alimentari
 Industries Alimentaires et Agricoles
 Informasjon fra Statens Fagteneste for Landbruket
 Information Series - Virginia Polytechnic Institute and State University,
 College of Agriculture and Life Sciences
 Informatore Agrario
 Informatore Fitopatologico
 Informe Agropecuario
 Infos (Paris)
 Inligtingsbulletin - Navorsingsinstituut vir Sitrus en Subtropiese Vrugte
 Insect Science and its Application
 International Agrophysics
 International Biodeterioration & Biodegradation
 International Journal of Biometeorology
 International Journal of Crude Drug Research
 International Journal of Environmental Analytical Chemistry
 International Journal of Environmental Studies
 International Journal of Food Science and Technology
 International Journal of Pharmacognosy
 International Journal of Radiation Applications and Instrumentation. Part
 C, Radiation Physics and Chemistry
 International Journal of Refrigeration
 International Journal of Remote Sensing
 International Journal of Tropical Agriculture
 International Tree Crops Journal
 International Zoo Yearbook
 Internationale Agrarindustrie Zeitschrift
 Introduktsiya i Akklimatizatsiya Rastenii
 Investigación Agraria, Producción y Protección Vegetales
 Investigación Agrícola
 Iranian Journal of Agricultural Sciences
 Irrigation Science
 Irrigazione e Drenaggio
 Israel Journal of Botany
 Italia Forestale e Montana
 Italian Journal of Food Science
 ITF Rapport
 Ivy Journal
 Izvestiya Akademii Nauk Moldavskoi SSR, Seriya Biologicheskikh i
 Khimicheskikh Nauk
 Izvestiya Akademii Nauk SSR Moldova. Biologicheskie i Khimicheskie
 Nauki
 Izvestiya Akademii Nauk SSSR. Seriya Biologicheskaya
 Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Seriya Bio-
 logicheskikh Nauk
 Izvestiya Timiryazevskoi Sel'skokhozyaistvennoi Akademii
 Izvestiya Vysshikh Uchebnykh Zavedenii, Lesnoi Zhurnal
 Izvestiya Vysshikh Uchebnykh Zavedenii, Pishchevaya Tekhnologiya
 Japanese Journal of Applied Entomology and Zoology
 Japanese Journal of Breeding
 Japanese Journal of Crop Science
 Japanese Journal of Farm Work Research
 Japanese Journal of Soil Science and Plant Nutrition
 Japanese Journal of Tropical Agriculture
 Járnművek, Mezőgazdasági Gépek
 JARQ, Japan Agricultural Research Quarterly
 Jiangsu Agricultural Sciences
 Jiangsu Journal of Agricultural Sciences
 Journal International des Sciences de la Vigne et du Vin
 Journal of Advanced Zoology
 Journal of Agricultural and Food Chemistry
 Journal of Agricultural Engineering Research
 Journal of Agricultural Entomology
 Journal of Agricultural Meteorology
 Journal of Agricultural Research (Lahore)
 Journal of Agricultural Research of China
 Journal of Agricultural Science
 Journal of Agricultural Science, Tokyo Nogyo Daigaku
 Journal of Agriculture and Forestry
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 Journal of Analytical Atomic Spectrometry
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 Journal of Biotechnology
 Journal of Cell Biology
 Journal of Chromatography
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 Journal of Coffee Research
 Journal of Economic Entomology
 Journal of Entomological Science
 Journal of Environmental Biology
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 Journal of Environmental Science and Health. Part A, Environmental
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 Journal of Food Processing and Preservation
 Journal of Food Protection
 Journal of Food Science
 Journal of Fruit Science
 Journal of Fujian Agricultural College
 Journal of General Microbiology
 Journal of Genetics & Breeding
 Journal of Hangzhou University
 Journal of Heredity
 Journal of Horticultural Science
 Journal of Insect Physiology
 Journal of Invertebrate Pathology
 Journal of Japanese Botany
 Journal of Jilin Agricultural University
 Journal of King Saud University, Agricultural Sciences
 Journal of Liquid Chromatography
 Journal of Maharashtra Agricultural Universities
 Journal of Molecular Biology
 Journal of Natural Products
 Journal of Natural Rubber Research
 Journal of Nematology
 Journal of Nuclear Agriculture and Biology
 Journal of Pesticide Science
 Journal of Pharmaceutical and Biomedical Analysis
 Journal of Phytochemical Research
 Journal of Phytopathology
 Journal of Plant Growth Regulation
 Journal of Plant Nutrition
 Journal of Plant Physiology
 Journal of Plantation Crops
 Journal of Research APAU
 Journal of Research, Birsá Agricultural University
 Journal of Research, Punjab Agricultural University
 Journal of Seed Technology
 Journal of Shanghai Agricultural College
 Journal of Soil and Water Conservation
 Journal of South China Agricultural University
 Journal of Stored Products Research
 Journal of Sustainable Agriculture
 Journal of Tea Science
 Journal of Texture Studies
 Journal of the Adelaide Botanic Gardens
 Journal of the Air & Waste Management Association
 Journal of the American Oil Chemists' Society
 Journal of the American Podiatric Medical Association
 Journal of the American Society for Horticultural Science
 Journal of the Andaman Science Association
 Journal of the Assam Science Society
 Journal of the Elisha Mitchell Scientific Society
 Journal of the Entomological Society of British Columbia
 Journal of the Faculty of Agriculture, Hokkaido University
 Journal of the Faculty of Agriculture, Iwate University
 Journal of the Faculty of Agriculture, Kyushu University
 Journal of the Indian Society for Cotton Improvement
 Journal of the Indian Society of Coastal Agricultural Research
 Journal of the Indian Society of Soil Science
 Journal of the Japanese Society for Horticultural Science
 Journal of the Japanese Society of Agricultural Machinery
 Journal of the Jilin Agricultural University
 Journal of the Korean Society for Horticultural Science
 Journal of the Korean Society of Food and Nutrition
 Journal of the Korean Society of Tobacco Science
 Journal of the Maharashtra Agricultural Universities
 Journal of the Mississippi Academy of Sciences
 Journal of the National Cancer Institute
 Journal of the National Research Council of Thailand
 Journal of the National Science Council of Sri Lanka
 Journal of the Oil Technologists' Association of India
 Journal of the Orchid Society of India
 Journal of the Rio Grande Valley Horticultural Society
 Journal of the Rubber Research Institute of Sri Lanka
 Journal of the Science of Food and Agriculture
 Journal of the Science Society of Thailand
 Journal of the Society of Agricultural Structures
 Journal of the South African Veterinary Association
 Journal of the Southern African Society for Horticultural Sciences
 Journal of the Sports Turf Research Institute
 Journal of Theoretical Biology
 Journal of Tropical Medicine and Hygiene
 Journal of Turkish Phytopathology
 Journal of Veterinary Diagnostic Investigation
 Journal of Wine Research
 Journal of Zoo and Wildlife Medicine
 Jugoslovensko Voćarstvo
 Kaen Kaset = Khon Kaen Agriculture Journal
 Kagawa Daigaku Nogakubu Gakuzuyutu Hokoku = Technical Bulletin of
 the Faculty of Agriculture, Kagawa University
 Karnataka Journal of Agricultural Sciences
 Kartofel' i Ovoshchi
 Kasetsart Journal, Natural Sciences
 Kenya Coffee
 Kertgazdaság
 Kew Bulletin
 Kew Magazine
 KFRI Research Report
 Khimzatsiya Sel'skogo Khozyaistva
 Kirkia
 Korean Journal of Applied Microbiology and Bioengineering
 Korean Journal of Crop Science
 Korean Journal of Ginseng Science
 Korean Journal of Plant Taxonomy
 KTBL-Arbeitspapier
 Lagasalia
 Land Degradation & Rehabilitation
 Landbauforschung Völknerode
 Landbouwmechanisatie
 Landtechnik
 Landwirtschaftliche Forschung
 Lebensmittel-Wissenschaft & Technologie
 Lesnoe Khozyaistvo
 Letters in Applied Microbiology
 Liebig's Annalen der Chemie
 Lietuvos TSR Mosklų Akademijos Darbai, C Serija
 Lindleyana
 Lipids
 Litchi Yearbook - South African Litchi Growers' Association
 Louisiana Agriculture
 Lucrări Științifice, Institutul Agronomic 'Nicolae Bălcescu', București,
 Seria B, Horticultură
 Macchine e Motori Agricoli - IMA - Il Trattorista
 Madras Agricultural Journal
 Madroño
 Malayan Forest Record
 Malayan Nature Journal
 Malaysian Applied Biology
 MAPPS Newsletter
 Máquinas y Tractores Agrícolas
 MARDI Research Journal
 Measurement Science and Technology
 Mechanizace Zemědělství
 Mededeling - Provinciaal Onderzoek- en Voorlichtingscentrum voor
 Land- en Tuinbouw, Beitem-Roeselare
 Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit
 Gent
 Media Komunikasi Penelitian dan Pengembangan Tanaman Industri
 Meditsinskaya Parazitologiya i Parazitarnye Bolezni
 Mekhanizatsiya i Elektrifikatsiya Sel'skogo Khozyaistva
 Memoirs of the College of Agriculture, Ehime University
 Memoirs of the College of Agriculture, Kyoto University
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 Memoirs of the Entomological Society of Canada
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 Memoirs of the Faculty of Agriculture, Hokkaido University
 Memoranda Societatis pro Fauna et Flora Fennica
 Memorie della Società Entomologica Italiana
 Menara Perkebunan
 Mesopotamia Journal of Agriculture
 Metodiky pro Zavádění Výsledků býzkumu do Zemědělské Praxe.
 Mezőgazdasági Technika
 Micología Neotropical Aplicada
 Microbiology (New York)
 Microbiology, China
 Mikrobiologicheskii Zhurnal
 MIRCEN Journal
 Miscellaneous Publication - Texas Agricultural Experiment Station
 Miscellaneous Report - Cyprus Agricultural Research Institute
 Mitteilungen aus dem Gebiete der Lebensmitteluntersuchung und
 Hygiene
 Mitteilungen der Versuchsanstalt für Pilzbau der Landwirtschaftskam-
 mer Rheinland Krefeld-Grosshüttenhof
 Mitteilungen des Obstbauversuchsrings des Alten Landes
 Mitteilungen Klosterneuburg, Rebe und Wein, Obstbau und
 Früchteverwertung
 Molecular and General Genetics
 Molecular Immunology
 Molecular Plant-Microbe Interactions
 Monograph - British Crop Protection Council
 Monograph - British Society for Plant Growth Regulation
 Monti e Boschi
 Moscow University Biological Sciences Bulletin
 Mushroom Journal
 Mushroom Science
 Mutation Breeding Newsletter
 Mycologia
 Mycological Research
 Mycologist
 Mycotoxin Research
 Mysore Journal of Agricultural Sciences
 Nachrichtenblatt des Deutschen Pflanzenschutzdienstes
 Nachrichtenblatt Pflanzenschutz

- Quarterly Bulletin of the North American Lily Society
 Quarterly Newsletter - Asia and Pacific Plant Protection Commission
 Quarterly Newsletter - Tea Research Foundation of Central Africa
 RAFI Communiqué
 Rapport - Institutionen för Lantbrukets Byggnadsteknik, Sveriges
 Lantbruksuniversitet
 Rasen-Turf-Gazon
 Rasteniye "dni Nauki
 Redia
 Regnum Vegetabile
 Regulatory Toxicology and Pharmacology
 Remote Sensing of Environment
 Report - Cucurbit Genetics Cooperative
 Report of Hokkaido Prefectural Agricultural Experiment Stations
 Report of the Kyushu Branch of the Crop Science Society of Japan
 Reporte de Investigación del Instituto de Investigaciones Fundamentales
 en Agricultura Tropical
 Research & Training Newsletter
 Research and Development Reporter
 Research Bulletin - Georgia Agricultural Experiment Stations
 Research Bulletin of Obihiro University, I
 Research Bulletin of the Aichi-ken Agricultural Research Center
 Research Bulletin of the Hokkaido National Agricultural Experiment
 Station
 Research Bulletin of the Plant Protection Service, Japan
 Research Bulletin of the University Farm, Hokkaido University
 Research Bulletin, Tainan District Agricultural Improvement Station,
 Taiwan
 Research Circular, Ohio State University, Ohio Agricultural Research
 and Development Center
 Research Journal of Food and Agriculture
 Research Report - Mississippi Agricultural and Forestry Experiment
 Station
 Research Report Series - Department of Agriculture, Victoria, Australia
 Research Reports of the Rural Development Administration, Crop
 Protection
 Research Reports of the Rural Development Administration, Farm Man-
 agement, Agricultural Engineering & Sericulture
 Research Reports of the Rural Development Administration,
 Horticulture
 Research Reports of the Rural Development Administration, Soil &
 Fertilizer
 Research Reports of the Rural Development Administration, Upland &
 Industrial Crops
 Research Series - Arkansas Agricultural Experiment Station
 Revista Brasileira de Fisiologia Vegetal
 Revista Brasileira de Genética
 Revista Brasileira de Sementes
 Revista Cafetalera
 Revista Ceres
 Revista Chapingo
 Revista Ciencias Técnicas Agropecuarias
 Revista Cubana de Alimentación y Nutrición
 Revista de Agricultura (Piracicaba)
 Revista de Agroquímica y Tecnología de Alimentos
 Revista de Ciências Agrárias
 Revista de Farmácia e Bioquímica da Universidade de São Paulo
 Revista de la Facultad de Agronomía (Universidad de Buenos Aires)
 Revista de la Facultad de Agronomía, Universidad Central de
 Venezuela
 Revista de Microbiología
 Revista do Centro de Ciências Rurais, Universidade Federal de Santa
 Maria
 Revista do Instituto Adolfo Lutz, Brazil
 Revista ICIDCA Sobre los Derivados de la Caña de Azúcar
 Revista Mexicana de Fitopatología
 Revue de l'Agriculture
 Revue de Nématologie
 Revue Générale des Caoutchoucs et Plastiques
 Revue Horticole
 Revue Horticole Suisse
 Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture
 Rhododendron und Immergrüne Laubgehölze Jahrbuch
 Rivista di Agricoltura Subtropica e Tropicale
 Rivista di Frutticoltura
 Rivista di Frutticoltura e di Ortofrutticoltura
 Rivista di Ingegneria Agraria
 Rivista di Politica Agraria, Rassegna della Agricoltura Italiana
 Rivista di Viticoltura e di Enologia
 RLAC-PROVEG
 Robotica
 Roczniki Akademii Rolniczej w Poznaniu, Ogródnictwo
 Roczniki Nauk Rolniczych. Seria A, Produkcja Roslinna
 Roczniki Państwowego Zakładu Higieny
 Rostlinná Výroba
 Rubber Board Bulletin
 Rumipamba
 SAAS Bulletin of Biochemistry and Biotechnology
 Sadovodstvo i Vinogradarstvo
 Saga Daigaku Nogakuba Iho = Bulletin of the Faculty of Agriculture,
 Saga University
 Sakharnaya Svekla: Proizvodstvo i Pererabotka
 Sarhad Journal of Agriculture
 Sborník Mechanizační Fakulty, Vysoké školy Zemědělské v Praze
 Sborník Nauchnykh Trudov - Gosudarstvennyĭ Nikitskiĭ Botanicheskiĭ
 Sad
 Sborník Nauchnykh Trudov po Prikladnoi Botanike, Genetike i Selektcii
 Sborník ÚVTIZ Potravinářské Vědy
 Sborník ÚVTIZ, Ochrana Rostlin
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 Sborník Vysoké školy Zemědělské v Praze, Fakulta Agronomická. Řada
 A, Rostlinná Výroba
 Schriftenreihe des Fachbereiches Internationale Agrarentwicklung
 Schweizerische Zeitschrift für Obst- und Weinbau
 Science (Washington)
 Science Bulletin of the College of Agriculture, University of the
 Ryukyus, Okinawa
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 Science in New Guinea
 Science of the Total Environment
 Sciences des Aliments
 Scientia Agricultura Sinica
 Scientia Horticulturae
 Scientific Reports of the Faculty of Agriculture, Okayama University
 Scientific Reports of the Kyoto Prefectural University, Agriculture
 Scientific Reports of the Miyagi Agricultural College
 Seed Research
 Seed Science and Technology
 Seed Science Research
 Seeds & Farms
 Seleksiya i Semenovodstvo (Moskva)
 Selskospanská Nauka
 Selskospanská Tekhnika
 Semenarstvo
 Serie de Documentación - Corporación Nacional de Investigación y
 Fomento Forestal
 Sexual Plant Reproduction
 Shoyakugaku Zasshi=Japanese Journal of Pharmacognosy
 Simiente
 Singapore Journal of Primary Industries
 SISSTA Sugar Journal
 Sistemas de Produção - Empresa Catarinense de Pesquisa Agropecuária
 S.A.
 Soil & Tillage Research
 Soil Biology & Biochemistry
 Soil Science
 Soil Science and Plant Nutrition
 Soil Science Society of America Journal
 Soil Technology
 Soils and Fertilizers in Taiwan
 Soobshcheniya Akademii Nauk Gruzinskoĭ SSR
 South African Forestry Journal
 South African Journal of Botany
 South African Journal of Enology and Viticulture
 South African Journal of Plant and Soil
 South African Journal of Science
 South Indian Horticulture
 Southwestern Entomologist
 Soviet Agricultural Sciences
 Soviet Journal of Ecology
 Soviet Plant Physiology
 Special Publication - Georgia College of Agricultural Experiment
 Stations
 Special Publication - Taichung District Agricultural Improvement
 Station
 Specialmeddelande - Institutionen för Lantbrukets Byggnadsteknik,
 Sveriges Lantbruksuniversitet
 Sri Lanka Journal of Tea Science
 Sri Lankan Journal of Agricultural Sciences
 Sting
 Stočarstvo
 Studies of the San'in Region, Forest Resources, Center for Studies of
 the San'in Region, Shimane University
 Studijní Informace - Zemědělská Technika
 Subtropical Plant Science
 Subtropicheskie Kul'tury
 Sulphur in Agriculture
 Svensk Frötidning
 Symbiosis (Rehovot)
 Systematic Botany
 Taiwan Tea Research Bulletin
 Taiwania
 TANTEA Science News
 Taxon
 Tea
 Technical Bulletin - Asian Vegetable Research and Development Center
 Technical Bulletin - North Carolina Agricultural Research Service
 Technical Bulletin - Northern Territory, Department of Primary Industry
 and Fisheries
 Technical Bulletin of the Faculty of Agriculture, Kagawa University
 Technical Bulletin of the Faculty of Horticulture, Chiba University
 Technical Paper - Lumle Agricultural Centre

- Technical Report - Department of Agriculture and Rural Affairs (Melbourne)
- Technical Report - Department of Agriculture, South Australia
- Tecnica Agricola
- Teelthandleiding - Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond
- Tekhnicheskoe Kul'tury
- Tekhnika v Sel'skom Khozyaistve
- Telma
- Telopea
- Terra e Sole
- Tetrahedron
- Tetrahedron Letters
- Texas Nurseryman
- Tidskrift for Planteavl
- Tobacco Research
- Toxicology
- Traktory i Sel'skokhozyaistvennye Mashiny
- Transactions - Botanical Society of Edinburgh
- Transactions of the ASAE
- Transactions of the Chinese Society of Agricultural Engineering
- Transactions of the Chinese Society of Agricultural Machinery
- Transactions of the Japanese Society of Irrigation, Drainage and Reclamation Engineering
- Tree Physiology
- Trees: Structure and Function
- Tropical Agriculture
- Tropical Agriculture Research Series
- Tropical Agriculturist
- Tropical Pest Management
- Tropical Science
- Tropicultura
- Trudy Latvijskoj Sel'skokhozyaistvennoj Akademii
- Trudy, Vsesoyuznyj Nauchno-Issledovatel'skij Institut Ėkonomicheskij Kul'tur
- Tsitologiya
- Tsitologiya i Genetika
- Turrialba
- Two and a Bud
- Ukrains'kij Botanichnij Zhurnal
- United States Patent
- Utsunomiya Daigaku Nogakuba Gakujutsu Hokoku = Bulletin of the College of Agriculture, Utsunomiya University
- Vakblad voor de Bloemisterij
- Vår Föda
- Vědeckotechnický Rozvoj v Zemědělství
- Vegetable Science
- Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten, Reihe Kongressberichte
- Verbondsnieuws voor de Belgische Sierteelt
- Vestnik Dermatologii i Venerologii
- Vestnik Leningradskogo Universiteta. Seriya 3, Biologiya
- Vestnik Sel'skokhozyaistvennoj Nauki (Moskva)
- Vestnik Akademii Navuk BSSR. Seriya Biyolagichnykh Navuk
- Vignevine
- Vitis
- Voprosy Pitaniya
- Vsesoyuznoj Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaistvennykh Nauk Imeni V.I. Lenina
- Wageningen Agricultural University Papers
- Wallaceana
- Water, Air, and Soil Pollution
- Webbia
- Weed Research
- Weed Research (Oxford)
- Weed Science
- Weed Technology
- Wildlife Society Bulletin
- Wissenschaftliche Zeitschrift der Humboldt-Universität zu Berlin. Reihe Agrarwissenschaften
- Workshop Proceedings of the Palm Oil Research Institute of Malaysia
- World Bank Technical Paper
- World Journal of Microbiology and Biotechnology
- Yakugaku Zasshi = Journal of the Pharmaceutical Society of Japan
- Year Book - International Dendrology Society
- Yearbook - South African Avocado Growers' Association
- Zashchita Rastenij (Moskva)
- Zashchita Bilja
- ZB, Zierpflanzenbau
- Zbornik Biotehniške Fakultete Univerze Edvarda Kardelja v Ljubljani, Kmetijstvo
- Zbornik Biotehniške Fakultete Univerze v Ljubljani, Kmetijstvo
- Zbornik Radova Poljoprivrednog Fakulteta, Univerzitet u Beogradu
- Zeitschrift für Lebensmittel-Untersuchung und -Forschung
- Zeitschrift für Naturforschung. B. Chemical Sciences
- Zeitschrift für Naturforschung. Section C, Biosciences
- Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz
- Zeitschrift für Vegetationstechnik im Landschafts- und Sportstättenbau
- Zemledelie
- Zentralblatt für Mikrobiologie
- ZFL, Internationale Zeitschrift für Lebensmitteltechnologie und -Verfahrenstechnik
- Zhejiang Agricultural Science
- Zhongguo Shiyongjun = Edible Fungi of China
- Zöldségtermesztési Kutató Intézet Bulletinje



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Almost 100 scientists/linguists in CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 12,000 serials and many other publications are scanned, and about 150,000 bibliographic records are compiled each year. From this computerized database, known as CAB ABSTRACTS, is derived a wide range of information services and products in printed and electronic form, designed to meet a variety of customer needs.

JOURNALS

Animal Science and Production

Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts and Reviews, Series B—Livestock Feeds and Feeding; Pig News and Information; Poultry Abstracts; Meat Focus International.

Veterinary Science and Parasitic Diseases

Helminthological Abstracts; Index Veterinarius; Protozoological Abstracts; Review of Medical and Veterinary Entomology; Review of Medical and Veterinary Mycology; Veterinary Bulletin.

Crop Science and Production

Crop Physiology Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation and Drainage Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Genetic Resources Abstracts; Plant Growth Regulator Abstracts; Postharvest News and Information; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils and Fertilizers; Sorghum and Millets Abstracts; Soyabean Abstracts; Sugar Industry Abstracts; Wheat, Barley and Triticale Abstracts.

Forestry

Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection

Biocontrol News and Information; Nematological Abstracts; Review of Agricultural Entomology; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology

Leisure, Recreation and Tourism Abstracts; Rural Development Abstracts; World Agricultural Economics and Rural Sociology Abstracts.

Machinery and Buildings

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Human Nutrition

Nutrition Abstracts and Reviews, Series A—Human and Experimental.

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technology), TREECD (forestry and forest industry), CABPESTCD (crop protection), HORTCD (horticulture), SOILCD (soil and water sciences), Human Nutrition on CD-ROM (human nutrition) and PolTox III: CAB (pollution and toxicology).

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CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research*, *Outlook on Agriculture*, *Seed Science Research*, *Index of Current Research on Pigs*, *Distribution Maps of Pests*, *Distribution Maps of Plant Diseases*, *Bibliography of Systematic Mycology*, *Descriptions of Pathogenic Fungi & Bacteria*, *Index of Fungi*, and *Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts*. For further information, contact:

Headquarters

CAB International
Wallingford, Oxon OX10 8DE, UK
Telephone: (0491) 32111
Telex: 847964 (COMAGG G)
Fax: (0491) 33508

or

North America

CAB International
845 North Park Avenue
Tucson, Arizona 85719, USA
Tel: 800/528-4841 or 602/621-7897
Fax: 602/621-3816

or

Asia

CAB International
PO Box 11872
50760 Kuala Lumpur, Malaysia
Tel: (03) 255 2922
Telex: 28031 (MA CABI) Fax: (03) 255 1888

or

Caribbean and Latin America

CAB International
Gordon Street, Curepe,
Trinidad and Tobago
Tel: 809 662 4173
Telex: 24438 CARI RI
Fax: 809 663 2859

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C·A·B INTERNATIONAL

Wallingford, Oxon OX10 8DE, UK

Telephone: (0491) 32111 Telecom Gold/Dialcom: 84: CAU001

Telex: 847964 (COMAGG G) Fax: (0491) 33508

Director General: D.R. Laing BAgSci, PhD.

Director, Information Services: C.P. Ogbourne BSc, PhD

Director, Scientific Services: R.J. Williams BSc, PhD

Director, Information Technology: J.H. Gilmore BSc, MACS

Director, Administrative Services: T. Martin FCA

The Organization

CAB International (CABI) is an international, inter-governmental organization. It is owned by its member governments; these currently number 34, but membership is open to any others wishing to participate. Established in 1928, the organization provides information, scientific and development services for agriculture and allied disciplines throughout the world.

Information Services

The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database (CAB ABSTRACTS) of research on agriculture, forestry, the environment, applied social sciences and aspects of human medicine.

Relevant scientific and technical literature is acquired worldwide for abstracting and indexing by almost 100 scientists/linguists in five divisions:

- Animal Health & Medical Parasitology
- Animal Production & Human Nutrition
- Crop Protection & Genetics
- Crop Production
- Natural Resources, Forestry & Economics

Further material is acquired and processed by collaborating or contracted organizations.

Abstract journals and electronic products derived from the database, and online access to it, provide unique sources of information for research scientists, development planners, educators and students.

The Information Services also publish primary journals and books, and offer training for information professionals, especially from developing countries.

Scientific Services

CABI's Scientific Services consist of four institutes and Library Services:

International Institute of Entomology

Acting Director, Prof. T. Jones, located at 56 Queen's Gate, London, and in the Natural History Museum.

International Mycological Institute

Director, Professor D.L. Hawksworth, located at Bakeham Lane, Egham, Surrey, TW20 9TY.

International Institute of Parasitology

Director, Dr R. Muller, located at Winches Farm, St Albans, Herts, AL4 0XU.

International Institute of Biological Control

Director, Dr J.K. Waage, has its headquarters at Silwood Park, Ascot and stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia.

These Institutes provide an authoritative identification service for agricultural pests and other organisms, a biocontrol service, and conduct research, implement projects, and provide training in their fields of expertise.

Library Services

Manager, Mr C.J. Hamilton, have headquarters at Silwood Park, and operate document delivery and translation services.

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Information Technology Services

ITS provide computing resources and services to all parts of CABI. A central computing facility is maintained with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The staff include database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CAB ABSTRACTS database and associated functions, plus accessions control, subscription management and electronic publishing.

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